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**Inhibition of MBD2/demethylase could promote  
methylation and silencing of uPA**

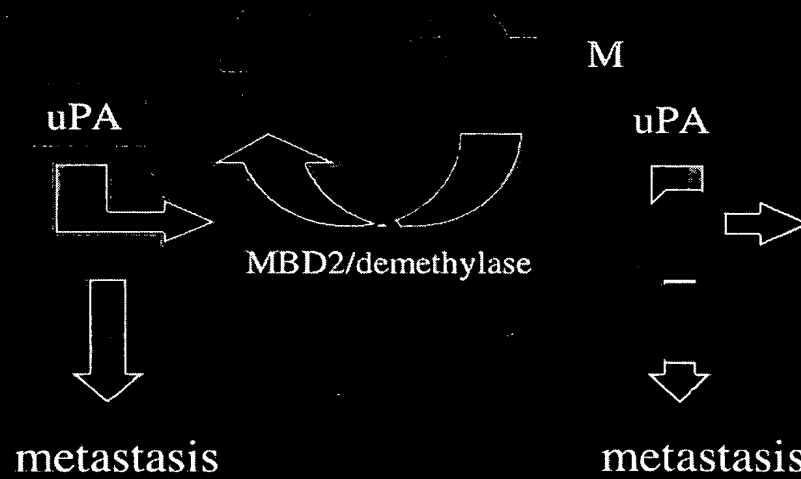
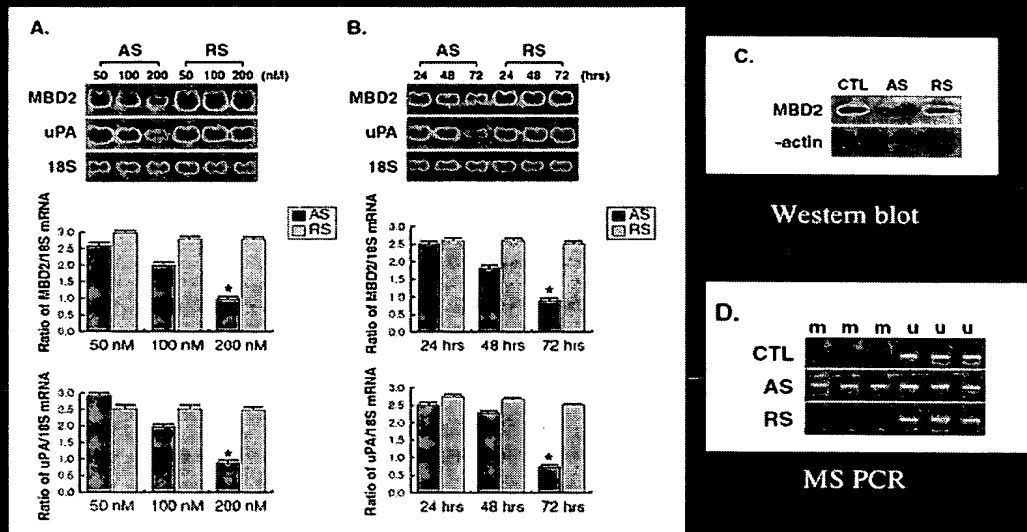


Fig. 2

## Dose and time dependent inhibition and remethylation of uPA by MBD2/demethylase AS



The methylation pattern of uPA was determined using methylation specific PCR MS-PCR as described by Herman, J. G., J. R. Graff, et al. (1996). "Methylation-specific PCR: a novel PCR assay for methylation status of CpG islands." *Proc Natl Acad Sci U S A* 93(18): 9821-6. MDA-231 cells have an unmethylated uPA gene as indicated by amplification of the gene with the unmethylated primers but not with the methylated primers. However, treatment of the cells with AS against demethylase Seq 1 results in hypermethylation as indicated by the amplification with the methyl specific primers. A triplicate experiment is shown.

Fig. 3